

DoD Distributed Common Ground/Surface Systems (DCGS)

The DoD DCGS is the architecture model for a family of systems capable of receiving, processing, exploiting, and disseminating intelligence in support of a Joint Force Commander. DCGS objectives include the receipt of imagery at ground and surface systems from national and tactical sensors and the exchange of intelligence between ground and surface systems through use of common components and compliance with standards. U.S. Joint Forces Command (USJFCOM) is the user representative for the architecture.

In FY01, a joint working group drafted a DCGS Capstone Requirements Document (CRD) with Information Exchange Requirements (IERs). The CRD underwent O-6 and O-7 level reviews and was resubmitted to the Joint Requirement Oversight Council in FY02. The DoD DCGS will subsume the Common Imagery Ground/Surface System (CIGSS) architecture model that has been developed for imagery intelligence. The CIGSS TEMP has defined a Test and Evaluation (T&E) strategy for assessing compliance with the CIGSS architecture model. Where applicable, the DoD DCGS T&E strategy will re-use the concepts of the CIGSS T&E strategy. The Joint Interoperability Test Command (JITC) is responsible for implementation of interoperability T&E programs for CIGSS and DCGS.

TEST & EVALUATION ACTIVITIES

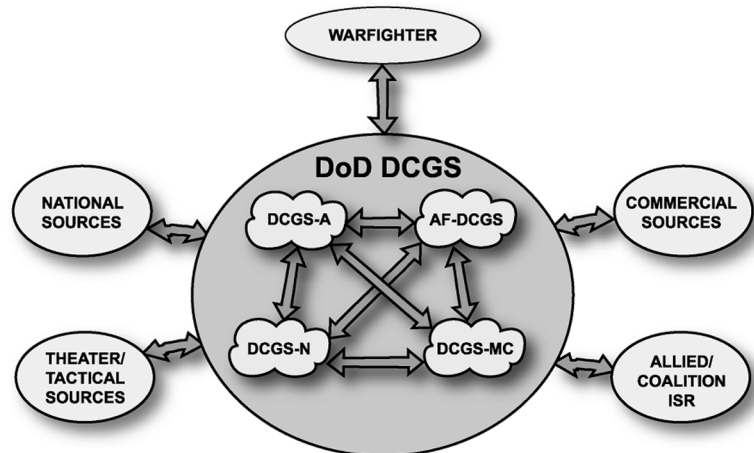
- CIGSS certification testing to determine the extent to which a CIGSS system complies with the standards for the CIGSS architecture.
- Working group meetings to begin drafting a Capstone TEMP.

TEST & EVALUATION ASSESSMENT

The CIGSS certification testing continues to reflect the technical exchange of information between components within a system and between systems. Progress has been made in exchange testing which includes joint information exchanges, albeit for a very limited set of systems (i.e., between the Marine Corps' Tactical Exploitation Group, and the Navy's Joint Service Imagery Processing System-Navy).

There has been no operational testing of the capability of a family of CIGSS systems to support a Joint Force Commander with timely and accurate intelligence products. Service participants to the CIGSS T&E Working-level Integrated Process Team have argued against such testing based on their perception that there is no joint concept of operations that employs a joint family of CIGSS systems. The Commander Operational Test and Evaluation Force would like to conduct testing of the Naval Fires Network in a joint environment that includes systems from the other Services. However, it has proven difficult for an operational test agency to obtain the participation of systems that are outside of the control of their Service.

Further development of the DoD DCGS Capstone TEMP is in limbo pending the Joint Chiefs of Staff-approval of the DoD DCGS Capstone Requirements Document. This document will be necessary to steer interoperability testing within the DoD DCGS architecture.



DoD Distributed Common Ground/Surface Systems is a worldwide deployable ground system that receives, processes, exploits, correlates, and disseminates intelligence information to the warfighters.

